

MODIS TECHNICAL TEAM MEETING

**Building 33, Room H114
February 16, 2000**

Bruce Guenther chaired the MODIS Technical Team Meeting. Present were Francesco Bordi, Wayne Esaias, Al Fleig, Dorothy Hall, Ed Masuoka, Harry Montgomery, Bruce Ramsay (NOAA), Eric Vermote, and Bruce Vollmer, with Deborah Howard recording the minutes.

1.0 SCHEDULE OF EVENTS

SWAMP Meeting GSFC	March 16–17, 2000 Tentative date
EOS-IWG Tucson, AZ	April 11–13, 2000
CEOS WGISS/GOFC Meeting London, England	April 11–14, 2000
CEOS WGCV Moderate Resolution Land Products Validation Meeting Joint Research Centre, Ispra, Italy	May 22–25, 2000
AGU 2000 Spring Meeting Washington, DC	May 30–June 3, 2000
COSPAR 2000 Warsaw, Poland	July 16–23, 2000
COSPAR/IRS Joint Symposium Warsaw, Poland and St. Petersburg, Russia	July 21 and July 24, 2000
IGARSS 2000 Honolulu, HI	July 24–28, 2000
IRS-2000 St. Petersburg, Russia.	July 24–29, 2000
VENICE-2000 (Oceans from Space) Venice, Italy	October 9–13, 2000
Aqua Launch	December 21, 2000

2.0 MINUTES OF THE MEETING

2.1 Instrument Report

Guenther reported that the spacecraft continues to perform well. Three ascent to orbit (delta-V) burns and two engineering burns have been done this past week. MODIS is fully operational on the A-side. We have opened all doors except the Nadir Aperture Door (NAD). MODIS is experiencing time code and packet sequence bit-flip problems, as are all high data rate instruments on Terra. As of midnight last night, 40% of the L0 product that we would have expected the DAAC to produce has not been produced; this is not a DAAC-only problem.

Guenther reviewed the newly formatted MCST Weekly Report on MODIS Status and Maturity of L1B Calibration Product for the Week Ending 2/16/2000 (see Attachment 1). Characterization and calibration results verified that the NEdT and NEdL are fine in the thermal bands. The results from the NEdL viewing the space view door (chart 6) also is meeting specification. Guenther said that our software is working, we have some data, and there are no significant issues so far. He reported that the temperature that we would be operating the blackbody, 290K, has been established.

There appears to be the possibility of electronic crosstalk effects that need to be studied and understood. The magnitude and the effects of this are TBD.

Guenther told the group that we would open the NAD on February 25, 26, or 27 or later. MCST needs to redo some characterization tests before opening the NAD. He expressed concern that some scheduled field campaigns are running out of time.

2.2 MODAPS

Masuoka distributed the Launch Ready PGE Status dated 2/16/2000 (see Attachment 2). He said that MODAPS is working with Miami to decide whether to send geolocation to Miami. Miami is pursuing that issue with GSFC and MODAPS is removing the IMSL so that Miami can run geolocation. Masuoka said that they are trying to get more test data in the GDAAC. MODAPS is going to point the testware at the PDR server. They are sending test synthetic data and data from inside of the door data (test data) to the DAAC.

Fleig offered Jacques Descloitres' sample images for testing. He said the images could be made available if it would be helpful. Vermote commented that although the Land group has learned from the back of the door data, it is very low level. He said they did learn that there is a difference between side-A and side-B.

2.3 GDAAC

Vollmer reviewed the GDAAC Notes for MODIS Technical Team Meeting dated 2/16/2000 (see Attachment 3). He said that the DAAC is receiving sporadic Level 0 data, with many data gaps. MAPI, version 2.3.2, has been received at the DAAC. Eventually they will need the updated MAPI for PGE01, PGE02, and others. Vollmer said that ECS Drop 5A.03 is in Ops at the GDAAC and Drop 5A.04 is in installation and testing (I&T).

Although the DAAC is receiving data, they are receiving it in 18-minute or 40-

minute blocks rather than 2-hour blocks. This creates a lot of fill data without enough viable data to process. The DAAC has asked for an enhancement of Level 0 tools to be developed that should tell them whether science data is contained in the data. There is less than 2 hours of viable data out of 24 hours and although they may have more than 2 hours of L0, it results in less than 2 hours of L1A. Vollmer said they do not know whether these challenges are an artifact of processing issues at EDOS. He said that he had not received an updated tic-tac-toe chart since Monday, February 14.

2.4 L1A

Esaias stated that there is an outstanding issue on developing guidelines for the DAAC on timing and production priorities in case production falls behind schedule. He said that the MODIS Working Group on Level 1 plans to discuss this issue.

2.5 Oceans

Esaias reported that MOBY was completely refurbished and is working fine.

2.6 Snow and Ice

Hall inquired about the likelihood the NAD would be open on February 29. She said that Anne Nolin's field experiments would be negatively affected if the NAD was not open by then. Nolin has three dates, February 27, February 29, and March 7, chosen for MISR and MODIS matches (per path analysis). Hall said that Shusun Li has field work starting in February and continuing through March. Hall's own fieldwork is scheduled to begin February 27. However, her group can fly into Canada and move their field site further north to get snow later.

2.7 NOAA

Guenther introduced Bruce Ramsay, who will be representing NOAA at the MODIS Technical Team meetings. Part of his job with NOAA, NESDIS, in land sciences is to evaluate remote sensing imagery and data for use within NOAA.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. Masuoka: Send via e-mail a list of network contacts categorized according to Level 2, Level 3, etc. to MODIS team members.

Status: Sol Broder sent an e-mail to the MODIS team members. Masuoka will ask him to send it out again.

2. Hohner, Fleig, and Masuoka: Include a space for MODIS early images on the MODIS home Web site. After launch, it would include downloadable early images on the MODIS site and a link to the DAAC's for obtaining products and data. The TRMM and SeaWiFS Web pages and how they process and present images can be used as good examples.

Status: This item remains open.

3. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

3.2 Closed Action Items

1. Hohner: Reassess the use of the password protection on MODARCH and examine using password protection only for the proprietary documents.

Status: This action is closed. Password protection for MODARCH's search interface and documents is still required for the system; however, Hohner sent information via e-mail to MODIS Science Team members regarding an option for MODARCH direct access. The new option provides a registered user with automatic password verification from a specific machine and should make team member access to MODARCH much more transparent. Hohner invites MODIS Science Team members to contact him about registering and with questions or comments regarding MODARCH direct access.